

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/092,944
	Filing Date	3/5/2002
	First Named Inventor	Todor J. Fay
	Group Art Unit	2837
	Examiner Name	MARLON T FLETCHER
Total Number of Pages in This Submission	Attorney Docket Number	MS1-783US

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO-1449 Form; Cited References (37); Return Post Card
Remarks		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

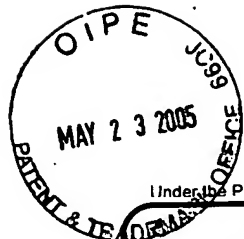
Firm or Individual Name	David A. Morasch/Reg. No. 42905
Signature	<i>David A. Morasch</i>
Date	May 18, 2005

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Anna G. Hook	
Signature	<i>Anna G. Hook</i>	Date 5-19-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04)

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ ) 180.00**Complete if Known**

Application Number	10/092,944
Filing Date	3/5/2002
First Named Inventor	Todor J. Fay
Examiner Name	MARLON T FLETCHER
Art Unit	2837
Attorney Docket No.	MS1 -783US

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 12-0769 Deposit Account Name: Lee & Hayes, PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 20 or HP =	x	50	=			
HP = highest number of total claims paid for, if greater than 20						
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
- 3 or HP =	x	200	=			
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 100 =	/ 50 =	(round up to a whole number) x	=	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Information Disclosure Statement

**Fees Paid (\$)**

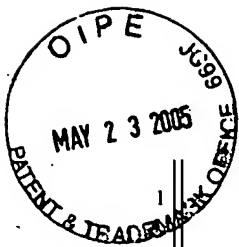
180.00

**SUBMITTED BY**

Signature	Registration No. 42905	Telephone (509) 324-9256
Name (Print/Type) David A. Morasch	(Attorney/Agent)	Date May 18, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... 10/092,944  
Filing Date ..... 3/5/2002  
Confirmation No. .... 7396  
Inventorship ..... Todor J. Fay  
Applicant ..... Microsoft Corporation  
Group Art Unit ..... 2837  
Examiner ..... MARLON T FLETCHER  
Attorney's Docket No. .... MS1-783US  
Title: Audio Wave Data Playback in an Audio Generation System

**INFORMATION DISCLOSURE STATEMENT**

**References – See Attached Form PTO-1449**


To: Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

From: David A. Morasch (Tel. 509-324-9256; Fax 509-323-8979)  
Lee & Hayes, PLLC  
421 W. Riverside Avenue, Suite 500  
Spokane, WA 99201

The attached form PTO-1449 is submitted in compliance with Applicant's duty of disclosure under 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

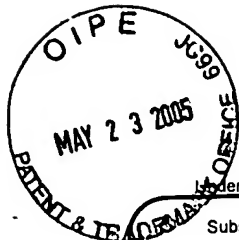
The Commissioner is hereby authorized to charge payment of fees or credit overpayments to Deposit Account No. 12-0769 as set forth in 37 CFR §1.17(p).

Dated: May 18, 2005

By:   
David A. Morasch  
Reg. No. 42905

05/24/2005 FMETEK11 00000100 120769 10092944

01 FC:1806 180.00 DA



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 3

**Complete if Known**

Application Number	10/092,944
Filing Date	3/5/2002
First Named Inventor	Todor J. Fay
Art Unit	2837
Examiner Name	MARLON T FLETCHER
Attorney Docket Number	MS1 -783US

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5303218	4/12/1994	Miyake	
		US- 5511002	4/23/1996	Milne et al	
		US- 5548759	8/20/1996	Lipe	
		US- 5717154	2/10/1998	Gulick	
		US- 5734119	3/31/1998	France et al	
		US- 5761684	6/2/1998	Gibson	
		US- 5842014	11/24/1998	Brooks et al.	
		US- 5852251	12/22/1998	Su et al.	
		US- 5890017	3/30/1999	Tulkoff et al.	
		US- 5902947	5/11/1999	Burton et al.	
		US- 5942707	8/24/1999	Tamura	
		US- 5977471	11/2/1999	Rosenzweig	
		US- 6100461	8/8/2000	Hewitt	
		US- 6152856	11/28/2000	Studor et al.	
		US- 6173317	1/9/2001	Chaddha et al	
		US- 6175070	1/16/2001	Naples et al.	
		US- 6216149	4/10/2001	Conner et al	
		US- 6357039	3/12/2002	Kuper	
		US- 6658309	12/2/2003	Abrams et al.	

**FOREIGN PATENT DOCUMENTS**

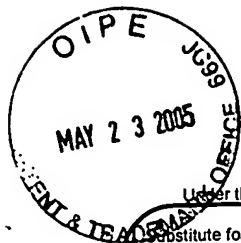
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/092,944		
		Filing Date	3/5/2002		
		First Named Inventor	Todor J. Fay		
		Art Unit	2837		
		Examiner Name	MARLON T FLETCHER		
Sheet	2	of	3	Attorney Docket Number	MS1 -783US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		A. CAMURRI et al., "A Software Architecture for Sound and Music Processing", Microprocessing and Microprogramming " Vol. 35 pp. 625-632 (Sept 1992)	
		BERRY M., "An Introduction to GrainWave" Computer Music Journal Spring 1999 Vol. 23 No. 1 pages 57-61	
		H. MEEKS, "Sound Forge Version 4.0b", Social Science Computer Review Vol. 16, No. 2, pp. 205-211 (Summer 1998)	
		HARRIS et al.; "The Application of Embedded Transputers in a Professional Digital Audio Mixing System"; IEEE Colloquium on "Transputer Applications"; Digest No. 129, 2/ 1-3 (uk 13 Nov. 1989)	
		J. PICHE et al., "Cecilia: A Production Interface to Csound", Computer Music Journal Vol. 22, No. 2 pp. 52-55 (Summer 1998)	
		M. COHEN et al., "Multidimensional Audio Window Management", Int. J. Man-Machine Studies Vol. 34, No. 3 pp. 319-336 (1991)	
		MALHAM et al., "3-D Sound Spatialization using Ambisonic Techniques" Computer Music Journal Winter 1995 Vol. 19 No. 4 pages 58-70	
		MEYER D., "Signal Processing Architecture for Loudspeaker Array Directivity Control" ICASSP March 1985 Vol. 2 pages 16.7.1-16.7.4	
		MILLER et al., "Audio-Enhanced Computer Assisted Learning and Computer Controlled Audio-Instruction". Computer Education, Pergamon Press Ltd., 1983, Vol. 7 pages 33-54	
		MOORER, JAMES; "The Lucasfilm Audio Signal Processor"; Computer Music Journal, Vol. 6, No. 3, Fall 1982, 0148-9267/82/030022-11; pages 22 through 32	

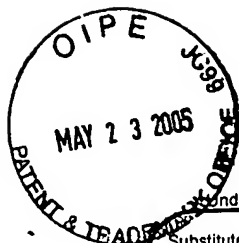
Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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STATEMENT BY APPLICANT**

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Application Number	10/092,944
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First Named Inventor	Todor J. Fay
Art Unit	2837
Examiner Name	MARLON T FLETCHER
Attorney Docket Number	MS1 -783US

Sheet 3 of 3

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		R. DANNENBERG et al., "Real-Time Software Synthesis on Superscalar Architectures", Computer Music Journal Vol. 21, No. 3 pp. 83-94 (Fall 1997)	
		R. NIEBERLE et al., "CAMP: Computer-Aided Music Processing", Computer Music Journal Vol. 15, No. 2, pp 33-40 (Summer 1991)	
		REILLY et al., "Interactive DSP Debugging in the Multi-Processor Huron Environment" ISSPA Aug. 1996 pages 270-273.	
		STANOJEVIC et al., "The Total Surround Sound (TSS) Processor" SMPTE Journal Nov. 1994 Vol.3 No. 11 pages 734-740	
		V. ULIANICH, "Project FORMUS: Sonoric Space-Time and the Artistic Synthesis of Sound", Leonardo Vol. 28, No. 1 pp. 63-66 (1995)	
		VERCOE, BARRY; "New Dimensions in Computer Music"; Trends & Perspectives in Signal Processing; Focus, April 1982; pages 15 through 23	
		VERCOE, et al; "Real-Time CSOUND: Software Synthesis with Sensing and Control"; ICMC Glasgow 1990 for the Computer Music Association; pages 209 through 211	
		WIPPLER, JEAN-CLAUDE; "Scripted Documents"; Proceedings of the 7th USENIX Tcl/TKConference; Austin Texas; February 14-18, 2000; The USENIX Association	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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